INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/31028

A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7) : H04B 3/04; H01P 1/22, 5/12; H03H 7/18 US CL : 333/18, 117, 138, 156				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 333/18, 28R, 81R, 117, 118, 138, 156				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched East, EPO, JPO, Derwent				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) hybrid, coupler, attenuator, delay, adjustable				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.
X	US 5,355,103 A (KOZAK) 11 October 1994 (11.10.1994), figure 1, spec all.			1,2,7
Y				3-6
A	US 5,019,793 A (MCNAB) 28 May 1991 (28.05.1991), spec all.			all
				11
Α	US 4,153,886 A (MIEDEMA) 8 May 1979 (08.05.1979), spec all.			all
Further	r documents are listed in the continuation of Box C.		See patent family annex.	
* 5	Special categories of cited documents:	"T"	later document published after the inte	
	it defining the general state of the art which is not considered to be		principle or theory underlying the inve	
"E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		*X*	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
		"Y"	document of particular relevance; the considered to involve an inventive step combined with one or more other such	when the document is
O" documen	it referring to an oral disclosure, use, exhibition or other means		being obvious to a person skilled in th	е ап
"P" document published prior to the international filing date but later than the priority date claimed		"&"		
Date of the actual completion of the international search		Date of mailing of the international search report		
22 December 2004 (22.12.2004)		22 FEB 2005		
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450		Dean O Takaoka Telephone No. (703) 308-4357 Telephone No. (703) 308-4357		
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